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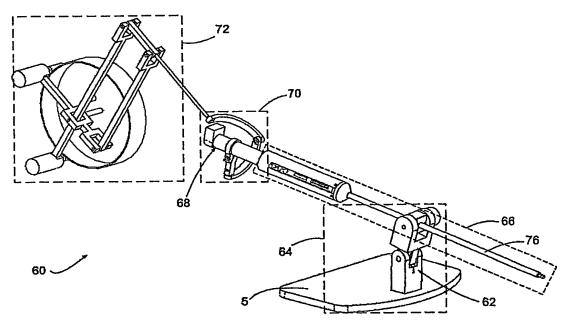
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- (71) Applicant (for all designated States except US): THE UNIVERSITY OF WESTERN ONTARIO [CA/CA]; Stevenson Lawson Building-319, 1151 Richmond Street, London, Ontario N6A 5B8 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TAVAKOLI, Seyed, Mahdi [FR/CA]; 605 Proudfoot Land, Apartment 1213, London, Ontario N6H 4S2 (CA). PATEL, Rajnikant, V [CA/CA]; 51 Carriage Hill Crescent, London, Ontario N5X 3W8 (CA). MOALLEM, Mehrdad [CA/CA]; 126 Camden Road, London, Ontario N5X 2K3 (CA).

- (74) Agent: DARYL, Schnurr, W.; Miller Thomson LLP, 700, 22 Frederick Street, P.O. Box 578, Kitchener, Ontario N2G 4A2 (CA).
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[Continued on next page]

(54) Title: FORCE REFLECTIVE ROBOTIC CONTROL SYSTEM AND MINIMALLY INVASIVE SURGICAL DEVICE



(57) Abstract: A robotic system has been designed that can be used as a minimally invasive surgical device. The system has a master end and a slave end. The master end has five physical movements corresponding to physical movements at the slave end with five degrees of freedom. There is force feedback from the slave end to the master end for each physical movement. The interface can be one or more computers. The master end can be remote from the slave end and the slave end can be a surgical robot or a simulation program on a computer.

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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